GOVERNMENT OF INDIA
WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION
LOK SABHA

UNSTARRED QUESTION NO:1454
ANSWERED ON:24.11.2016
Flood Management Projects
Mondal Shri Sunil Kumar;Sarania Shri Naba Kumar

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION be pleased to state:

(a) the details of flood management projects completed during the current Five Year Plan period and the benefit accrued as a result thereof;

(b) the details of proposals received from various States for flood management and irrigation during the said period along with the action taken thereon, State/UTwise;

(c) the details of the ongoing, pending and proposed flood mitigation projects in the country, State/UT-wise;

(d) the financial and physical targets and the achievements thereof under such projects, State/UT-wise; and

(e) whether any specific measures have been taken by the Government to check excessive rain water and flood in the country including Assam and if so, the details thereof, State/UT-wise?

Answer

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION
(DR SANJEEV KUMAR BALYAN)

(a) to (d) Under the Flood Management Programme (FMP), a total of 522 projects have been approved during XI and XII Plan, out of which 297 projects have been completed till date. The State-wise details of projects approved, projects completed and area protected under Flood Management Programme (FMP) so far are given at Annex-1 & 2 respectively.

This Ministry also provides technical guidance to State Governments through Central Water Commission (CWC) and Ganga Flood Control Commission (GFCC) in formulation of flood management projects. During XII Plan, a total of 612 projects for Rs. 57995.06 crore were received for techno-economic appraisal out of which 283 projects of estimated cost Rs.12509.73 crore were cleared by the appraisal agencies. The State-wise status is given at Annex-3. Out of the techno-economically cleared 283 projects, 102 projects for Rs. 5381.28 crore have been approved under Flood Management Programme (FMP). A total central assistance of Rs 4873.07 crore has been released to various States which includes Rs. 813.75 crore to State of Assam.
Water Resources projects are planned, funded, executed and maintained by the State Governments themselves as per their own resources and priority. In order to supplement the efforts of State Governments, this Ministry provides financial assistance to State Governments to encourage sustainable development and efficient management of water resources through Accelerated Irrigation Benefits Programme (AIBP) scheme

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under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY).The details of irrigation potential created and Central assistance released under AIBP is given at Annex-4.
A Mission has been established for implementation of 99 ongoing irrigation projects under AIBP, prioritised in consultation with States for their completion in phases by December, 2019. The arrangement has been made to provide requisite funds for these projects through NABARD. The first installment of Central Assistance amounting to Rs. 1654.62 crore has been released for 44 projects.
A scheme of National Projects has been initiated for implementation during XI Plan with a view to expedite completion of identified National projects for the benefit of the people. Under this scheme 14 projects were declared as National project in February, 2008. Subsequently, Saryu Nahar Pariyojana & Indira Sagar Polavaram project were also declared as National Projects in August, 2012 & March, 2014, respectively.
A total of 136 major, medium and multipurpose projects proposals (new /revised/ERM) have been received during XII Plan for appraisal; out of which 60 proposals have been considered and accepted by Advisory Committee of Ministry of Water Resources, RD & GR.
(e) The subject of flood management being under purview of the States, the schemes for flood control are formulated and implemented by concerned States as per their priority. The Union Government supplements the efforts of the States by providing technical guidance and also promotional financial assistance for management of floods in critical areas.
The Central Water Commission (CWC) under this Ministry maintains a flood forecasting network comprising of 199 flood forecasting stations. On an average, 6000 flood warning are issued annually with an accuracy of 98%.These forecast are utilised by local administration in planning evacuation of people from flood affected areas to safer locations and by State/Project authorities in optimum regulation of reservoirs for ensuring safety of people residing in the downstream areas of dam/reservoirs.
Further, this Ministry has approved a Plan scheme during XII Plan for Rs 281 crore for flood forecasting, modernisation and expansion

of flood forecasting network for automatic data collection, expeditious transmission and flood forecast dissemination. The Flood Forecasting network is proposed to be expanded from existing 199 flood forecasting stations to 275 stations. Simultaneously, the support network of hydrological observation sites would be increased to 1118, out of which 1074 stations would be on an automatic satellite based telemetry system. As a result of the telemetry network, live information would be available on real time basis. It will eliminate the delays in dissemination of flood warnings to the States due to the manual system of dissemination. It is expected that with the expanded network of flood forecast systems, the number of flood warning annually would go upto 10,000.

In addition, the Government of India is having continuous dialogue with Government of Nepal for construction of storage projects in Nepal for mitigation of floods in India caused by rivers flowing from Nepal.

The Ministry has taken up National Hydrology Project (NHP). The NHP envisages setting up of a system for timely and reliable water resources data acquisition, storage, collation and management over a period of next eight years. It will help in gathering hydro-metrological data which will be stored and analysed on real time basis, for flood moderation in the country.

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Annex-1

ANNEXURE REFERRED TO IN REPLY TO PART (a to d) OF LOK SABHA UNSTARRED QUESTION NO.1454 FOR ANSWER ON 24.11.2016 REGARDING "FLOOD MANAGEMENT PROJECTS"

State-Wise Works Approved, Works Completed and Funds Released under Flood Management Programme (FMP) during XI and XII Plan (up to 22.11.2016)

Rs. in crore

Sl. No.	State	XI Plan		XII Plan		Total (XI + XII Plan)		Status	
		Works Approved	Funds Released (XI Plan)	Works Approved	Funds Released (XII Plan)	Works Approved	Number of Works Completed	Total Funds Released (XI + XII Plan)	
		Nos.	Estimated Cost	Nos.	Estimated Cost	Nos.	Estimated Cost		
1	Arunachal Pradesh	21	224.69	81.69	0	0.00	87.91	21	224.69	11	169.60
2	Assam	100	996.14	748.86	41	1386.97	64.89	141	2383.11	94	813.75
3	Bihar	43	1370.42	723.18	4	447.63	184.64	47	1818.05	41	907.82
4	Chhattisgarh	3	31.13	15.57	0	0.00	3.75	3	31.13	0	19.32
5	Goa	2	22.73	9.98	0	0.00	2.00	2	22.73	2	11.98
6	Gujarat	2	19.79	2.00	0	0.00	0.00	2	19.79	1	2.00
7	Haryana	1	173.75	46.91	0	0.00	0.00	1	173.75	0	46.91
8	Himachal Pradesh	3	225.32	165.98	4	1139.62	221.87	7	1364.94	1	387.85
9	Jammu & Kashmir	28	408.22	252.57	15	562.47	169.95	43	970.69	8	422.52
10	Jharkhand	3	39.30	18.44	0	0.00	4.27	3	39.30	2	22.71
11	Karnataka	3	59.46	23.80	0	0.00	0.00	3	59.46	0	23.80
12	Kerala	4	279.74	63.68	0	0.00	55.22	4	279.74	0	118.90
13	Manipur	22	109.34	66.34	0	0.00	24.36	22	109.34	19	90.70
14	Meghalaya	0	0.00	3.81	0	0.00	0.00	0	0.00	0	3.81
15	Mizoram	2	9.13	14.48	0	0.00	1.93	2	9.13	0	16.41
16	Nagaland	11	49.35	28.96	6	74.52	54.17	17	123.87	9	83.12
17	Orissa	67	169.00	101.12	1	62.32	0.00	68	231.32	60	101.12
18	Puducherry	1	139.67	7.50	0	0.00	0.00	1	139.67	0	7.50
19	Punjab	5	153.40	40.43	0	0.00	0.00	5	153.40	0	40.43
20	Sikkim	28	104.92	83.69	17	261.40	8.15	45	366.32	21	91.84
21	Tamilnadu	5	635.54	59.82	0	0.00	0.00	5	635.54	0	59.82
22	Tripura	11	26.57	23.62	0	0.00	0.00	11	26.57	8	23.62
23	Uttar Pradesh	26	667.57	290.69	3	291.70	111.22	29	959.27	6	401.91
24	Uttrakhand	12	119.82	49.63	10	715.72	153.98	22	835.54	8	203.61
25	West Bengal	17	1822.08	643.26	1	438.94	158.75	18	2261.02	6	802.01
Total		420	7857.08	3566.00	102	5381.28	1307.07	522	13238.36	297	4873.07

Annex-2

ANNEXURE REFERRED TO IN REPLY TO PART (a to d) OF LOK SABHA UNSTARRED QUESTION NO.1454 FOR ANSWER ON 24.11.2016 REGARDING "FLOOD MANAGEMENT PROJECTS"
State-wise Details of Works completed and Area Protected
Under Flood Management Programme During XI Plan

Sl. No	State	Total Schemes Completed (As on 31st March , 2012)	Area protected in lakh ha			Population benefited in Lakh
		Nos.	Old Area restored	New Area Protected	Total	
1	Arunachal. Pradesh	11	0	0.566	0.566	0.697
2	Assam	77	3.864	1.007	4.871	97.848
3	Bihar	26	10.237	0.285	10.522	70.92
4	Goa	1	0	0.002	0.002	0.15
5	J&K	8	0.9	0	0.9	0
6	Manipur	19	0	0.28	0.28	1.582
7	Nagaland	9	0	0.004	0.004	0.6
8	Orissa	60	1.474	0.082	1.556	7.202
9	Sikkim	21	0	0.201	0.201	2.397
10	Uttar Pradesh	6	0.442	0.096	0.538	4.005
11	Uttrankhand	3	0	0.001	0.001	0.053
12	West Bengal	7	0.087	0.063	0.15	11.81
13	Tripura	4	0	0.002	0.002	0.013
Total		252	17.004	2.589	19.593	197.277

Annex-3
ANNEXURE REFERRED TO IN REPLY TO PART (a to d)OF LOK SABHA UNSTARRED QUESTION NO.1454 FOR ANSWER ON 24.11.2016 REGARDING "FLOOD MANAGEMENT PROJECTS"
State/UT wise details of Flood Management Project Proposals (coordinated by CWC) received during XII Plan *

SN	State/Org	Received*		Cleared		Returned/ deleted		Under Examination	
		Nos	cost (Rs in crore)	Nos	cost (Rs in crore)	Nos	cost (Rs in crore)	Nos	cost (Rs in crore)
1	Assam	135	11706.24	59	2079.65	10	709.95	2	108.81
2	Arunachal Pradesh	24	602.36	12	176.45	4	195.00	0	0.00
3	Manipur	6	2226.40	0	0.00	6	2226.40	0	0.00
4	Meghalaya	9	448.54	0	0.00	4	16.59	0	0.00
5	Mizoram	4	46.55	0	0.00	0	0.00	0	0.00
6	Nagaland	26	386.26	8	62.40	4	44.26	0	0.00
7	Sikkim	18	356.78	17	261.40	1	95.38	0	0.00
8	Tripura	4	273.90	3	188.98	1	84.92	0	0.00
9	Brahmaputra Board	22	861.66	10	208.98	3	125.03	1	14.60
10	West Bengal	7	145.59	0	0.00	2	86.17	4	31.19
11	Karnataka	8	360.99	7	290.36	1	70.63	0	0.00
12	Kerala	11	3329.54	1	255.34	7	1041.96	0	0.00
13	Tamilnadu	2	7028.00	0	0.00	2	7028.00	0	0.00
14	Lakshadweep	1	9.36	0	0.00	1	9.36	0	0.00
15	Chattishgarh	21	254.20	0	0.00	21	254.20	0	0.00
16	Rajasthan	1	9.10	0	0.00	1	9.10	0	0.00
17	Himachal	9	2634.41	7	1416.80	0	0.00	0	0.00
18	Haryana	1	181.42	0	0.00	1	181.42	0	0.00
19	J&K	104	6981.50	44	1155.12	4	164.03	0	0.00
20	Punjab	10	652.64	8	520.32	2	132.32	0	0.00
21	Andhra Pradesh	2	1125.70	0	0.00	2	1125.70	0	0.00
22	Goa	2	22.73	2	22.73	0	0.00	0	0.00
23	Puducherry	1	139.67	1	139.67	0	0.00	0	0.00
24	Maharashtra	2	39.02	1	24.37	1	14.65	0	0.00
25	Telangana	0	0.00	0	0.00	0	0.00	0	0.00
26	Odisha	0	0.00	0	0.00	0	0.00	0	0.00
27	Madhya Pradesh	0	0.00	0	0.00	0	0.00	0	0.00
28	Gujarat	0	0.00	0	0.00	0	0.00	0	0.00
29	UP	0	0.00	0	0.00	0	0.00	0	0.00
30	Delhi	0	0.00	0	0.00	0	0.00	0	0.00

Sub-Total(CWC) 430 39822.55 180 6802.57 78 13615.06 7 154.59
B - Projects Coordinated by GFCC
1 Bihar 40 9399.84 20 1792.99 6 4469.8 14 3137.02
2 Jharkhand 2 54.15 1 52.63 1 1.5 0 0.00
3 Himachal Pradesh 1 190.82 1 190.82 0 0.0 0 0.00
4 Rajasthan 2 192.84 0 0.00 0 0.0 2 192.84
5 Uttarakhand 53 1476.24 41 1161.60 5 98.7 7 215.96
6 Uttar Pradesh 79 3301.47 39 1316.69 25 917.7 15 1067.11
7 West Bengal 5 3557.15 1 1192.43 2 43.7 2 2321.01
Sub-Total (GFCC) 182 18172.51 103 5707.16 39 5531.42 40 6933.94
Grand Total (CWC+GFCC) 612 57995.06 283 12509.73 117 19146.48 47 7088.53
*- The schemes received during 2011-12 (appraised during XII Plan)are also included .

Annex-4
ANNEXURE REFERRED TO IN REPLY TO PART (a to d) OF LOK SABHA UNSTARRED QUESTION NO.1454 FOR ANSWER ON 24.11.2016 REGARDING "FLOOD MANAGEMENT PROJECTS"
State-wise Irrigation Potential Created and Central Assistance released under Accelerated Irrigation Benefit Programme

S. No. Name of States Irrigation Potential Created (Th. HA.) Central Assistance released (Rs. In Cr.)
During XI Plan During XII Plan * During XI Plan During XII Plan#
1 ANDHRA PRADESH 169.74 20.77 1107.85 0.00
2 ARUNACHAL PRADESH 30.19 7.74 194.34 129.39
3 ASSAM 199.71 91.70 1904.38 1627.00
4 BIHAR 40.34 16.72 321.14 150.45
5 CHHATISGARH 114.09 21.04 727.17 362.40
6 GOA 7.89 2.42 132.21 8.00
7 GUJARAT 164.90 402.98 1211.83 3055.45
9 HIMACHAL PRADESH 63.40 25.49 497.27 80.92
10 JAMMU & KASHMIR 192.87 36.34 1154.71 338.59
11 JHARKHAND 28.16 70.28 815.79 885.59
12 KARNATAKA 124.45 53.98 2695.31 1031.47
13 KERALA 12.90 3.86 14.73 0.00
14 MADHYA PRADESH 387.62 240.32 2865.03 2199.34
15 MAHARASHTRA 360.59 65.08 7894.42 1638.35
16 MANIPUR 42.00 6.84 662.75 639.65
17 MEGHALAYA 31.52 0.22 239.96 138.50
18 MIZORAM 23.05 0.00 214.71 0.00
19 NAGALAND 35.61 6.33 289.04 183.12
20 ORISSA 113.56 38.32 3426.99 208.60
21 PUNJAB 70.13 1.00 229.20 1.05
22 RAJASTHAN 631.86 21.74 538.02 55.00
23 SIKKIM 1.90 7.36 53.92 4.50
25 TELANGANA 127.83 86.48 2456.50 177.83
26 TRIPURA 13.29 0.94 170.36 17.75
27 UTTRA PRADESH 461.47 130.67 1416.63 1603.39
28 UTTRAKHAND 140.68 22.69 1157.13 339.02
29 WEST BENGAL 70.84 5.15 228.78 0.00
Total 3660.60 1386.45 32620.16 14875.34
* upto March,2014
# upto March,2016